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PRODUCTION OF TOOL GRINDING MACHINES AT VITEBSK PLANT

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In addition to universal tool-grinding machines, the Vitebsk Tool-Grinding-Machine Plant also produces machine tools for grinding circular saws for metal, a semiautomatic for grinding drills and counterbores, a tool-grinding machine for boring-bits, as well as machine tools for grinding more complex tools. Recently, the plant perfected and put into series production a semiautomatic for grinding hobs.

At present, the Vitebsk Plant produces two types of machine tools for grinding drills. One of these is a semiautomatic. To grind a drill, the worker need only set the machine tool for the required drill diameter and specified grinding angles. The drill is then mounted in a chuck, after which the machine performs the grinding automatically. The semiautomatic was modernized recently. The designers simplified the manufacture of the machine tool, which made it possible to reduce the cost of manufacture considerably. In addition, its operating qualities were improved and it became more productive than the earlier design. The setting-up of the machine was simplified, which decreased handling time. The quality and accuracy of grinding were also increased a great deal. At present, the new semiautomatic is being put into series production.

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